DATA SHEET

CompactFlash Card

AC43-5120

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Approved	Design

1. Description

AC43-5120 is 512MB **CompactFlash™** based on flash memory controller technology. This card complies with **CompactFlash™** specification, it is suitable for the usage of data storage memory for PC or other electric equipment and digital still camera. This card is equipped with NAND flash memory. By using this card it is possible to operate stability for the system that have **CompactFlash™** slots.

2. Features

- 512Mbytes flash memory card.
- **CompactFlash™** specification: PCMCIA ver.2.1 and PC Card ATA ver.2.01 compatible 50pin SMT connector and type I (3.3mm).
- 3.3V/5V single power supply operation.
- Internal self-diagnostic program operates at VCC power on.
- 3 variations of access mode:
  - Memory Card Mode.
  - I/O Card Mode.
  - True-IDE Mode.
- High reliability based on internal ECC (Error Correcting Code) Function.
- Data reliability is 1 error in 10^{14} bits read.
- Temperature range: 0 to 70 ℃.
- Power Consumption (3.3V/ 5.0V).
  - Active mode: 24.1mA/ 26.5mA (3.3v/ 5.0v).
  - Sleep mode: 200 uA / 300 uA (3.3v/ 5.0v).
- High Performance:
  - Read: 7.3MBytes/s.
  - Write: 5.7Mbytes/s.

Notes: The performance will depends on different platform with different test result.